

Serial No. 09/517,113  
Amtd. dated December 30, 2003  
Reply to Office Action of March 30, 2004

Attorney Docket No. PT03216U

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.: 09/517,113

Confirmation No.: 9891

JUN 28 2004

Applicant(s): Mittel, James Gregory

Examiner: Bocure, Tesfaldet

Filed: March 7, 2000

Docket No.: PT03216U

TC/A.U.: 2631

Customer No.: 20280

OFFICIAL

Title: Self-Dithering Sigma-Delta Converter and Communication Device

Incorporating Same

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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## AMENDMENT AFTER FINAL

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Sir:

In response to the Office Action of December 30, 2003, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 13 of this paper.

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*Intellectual Property Section  
Law Department*

## FAX COVER SHEET

**DATE:** JUNE 28, 2004

**TO:** Ex. Tesfaldet Bocure (703) 872-9306

USPTO, Group 2631

**RECEIVED**

**FROM:** HISASHI DAVID WATANABE

AUG 05 2004

**SUBJECT:** U.S. APPLICATION SER. NO. 09/517,113  
OUR REF. NO.: PT03216U USA\_MITTEL

**Technology Center 2600**

TOTAL NUMBER OF PAGE(S) 19 (INCLUDING THIS PAGE)

**MESSAGE:** Thank you for calling me in response to my telephone calls of the last few weeks and advising me that you have not received my response of March 30, 2004. As we discussed, I am providing a copy of my facsimile transmission to you as well as the Auto-Reply Facsimile Transmission received from the USPTO which clearly indicates that the attached communication was timely filed on March 30, 2004. I look forward to receiving a Notice of Allowance for this application in due course.

**NOTICE:** This facsimile transmission may contain information that is confidential, privileged or exempt from disclosure under applicable law. It is intended only for the person(s) to whom it is addressed. Unauthorized use, disclosure, copying or distribution may expose you to legal liability. If you have received this transmission in error, please immediately notify us by telephone (collect) to arrange for return of the documents received and any copies made. Thank you.

Motorola, Inc., Law Department  
600 North U.S. Highway 45, AS 437, Libertyville, IL 60048  
Phone: (847) 523-2322 Facsimile: (847) 523-2350

## Auto-Reply Facsimile Transmission



TO: Fax Sender at 18475232350

Fax Information

Date Received:

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3/30/2004 6:15:58 PM [Eastern Standard Time]

17 (including cover page)

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Received  
Cover  
Page  
=====>

FAX-20-2004 1/1/94 140 MARCH 2001 18475232350 TO:USPTO P.1/17

**MOTOROLA**  
FAX TRANSMITTAL SHEET

Motorola, Inc.  
Intellectual Property Section  
Law Department  
600 North U.S. Highway 45  
Libertyville, IL 60048  
Telephone: (847) 523-2322  
Facsimile: (847) 523-2350  
**[17]** Number of Pages (including this page)

Date: March 30, 2004  
To: Examiner Testfidel Bocan  
Location: United States Patent and Trademark Office, Group 2001  
Fax No.: (702) 672-9306  
From: Michael D. Volumbaro Registration No. 37,485  
Subject: Serial No. 09/517,113  
Docket No. PT03210U

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**MESSAGE:**  
Enclosed herewith, please find:  
 Amendment  
 Assignment  
 Amendment Transmittal Form  
 Fee Transmittal Form  
 Form for Extension of Time

**PLEASE GIVE THESE PAPERS TO:**

EXAMINER: Examiner, Testfidel Bocan  
GROUP AND UNIT: 2001  
SERIAL NO.: 09/517,113  
FILED: March 1, 2000  
INVENTOR: Michael James Gregory

PAGE 1/1 \* RCVD AT 3/30/2004 6:15:58 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-1/1 \* DNIS:8729306 \* CSID:18475232350 \* DURATION (mm:ss):04:38

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**MOTOROLA****FAX TRANSMITTAL SHEET**

Motorola, Inc.  
Intellectual Property Section  
Law Department  
600 North U.S. Highway 45  
Libertyville, IL 60048

Telephone: (847) 523-2322  
Facsimile: (847) 523-2350

17

Number of Pages (including this page)

Date: March 30, 2004

To: Examiner Tesfaldet Bocure

Location: United States Patent and Trademark Office, Group 2631

Fax No.: (703) 872-9306

From: Hisashi D. Watanabe Registration No. 37,465

Subject: Serial No. 09/517,113

Docket No. PT03216U

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**MESSAGE:**

Enclosed herewith, please find:

- Amendment
- Amendment Transmittal Form
- Fee Transmittal Form
- Petition for Extension of Time

**PLEASE GIVE THESE PAPERS TO:**

EXAMINER: Bocure, Tesfaldet  
GROUP ART UNIT: 2631  
SERIAL NO.: 09/517,113  
FILED: March 7, 2000  
INVENTOR: Mittel, James Gregory

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED  
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JUN 26 2004

<b>ADMENDMENT TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/517,113
	Filing Date	March 7, 2000
	First Named Inventor	Mittel, James Gregory
	Group Art Unit	2631
	Examiner Name	Bocure, Tesfaldet
	Attorney Docket Number	PT03216U

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ENCLOSURES (Check all that apply)

- Fee Transmittal Form
  - Fee Attached
- Amendment/Response
  - After Final
  - Affidavits/declaration(s)
- Extension of Time Request
- Express Abandonment Request
- Information Disclosure Statement
- Certified Copy of Priority Document(s)
- Response to Missing Parts Incomplete Application
- Response to Missing Parts under 37 CFR 1.52 or 1.53

- Assignment Papers (for an Application)
- Drawing(s)
- Licensing-related Papers
- Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- Change of Correspondence Address
- Fee Address Indication Form
- Terminal Disclaimer
- Small Entity Statement
- Request for Refund

- After Allowance Communication to Group
- Appeal Communication to Board of Appeals and Interferences
- Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- Proprietary Information
- Status Letter
- Additional Enclosure(s) (please identify below)

Remarks:

AUG 05 2004

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## CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

or  Correspondence address below

Name:	Motorola, Inc.		
Address:	Intellectual Property Department		
	600 North U.S. Highway 45, AS437		
City: Libertyville	State: Illinois	Zip Code:	60048
Country: USA	Telephone: 847-523-2322	Fax:	847-523-2350

Name (Print/Type) Hisashi D. Watanabe	Registration No. 37,465
Signature	Date March 30, 2004

## CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office Fax No. (703) 872-9306 on this date: March 30, 2004.

Typed or printed name: Hisashi D. Watanabe  
 Signature

Date March 30, 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**FEE TRANSMITTAL  
For FY 2003**
*Patent fees are subject to annual revision.***TOTAL AMOUNT OF PAYMENT****(\$0.00)**

<b>Application Number</b>	09/517,113
<b>Filing Date</b>	March 7, 2000
<b>First Named Inventor</b>	Mittel, James Gregory
<b>Group Art Unit</b>	2631
<b>Examiner Name</b>	Bocure, Tesfaldet
<b>Attorney Docket Number</b>	PT03216U

**METHOD OF PAYMENT****FEE CALCULATION (continued)**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account	50-2117
Deposit Account Name	Motorola, Inc.

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
 Applicant claims small entity status See 37 CFR 1.27

**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Fee Description	Fee Paid
1051	130 Surcharge - late filing fee or oath	
1052	50 Surcharge - late provisional filing fee or cover sheet	
1053	130 Non-English specification	
1812	2,520 For filing a request for ex parte reexamination	
1804	920* Requesting publication of SIR prior Examination action	
1805	1,840* Requesting publication of SIR after Examination action	
1251	110 Extension for reply within first month	
1252	420 Extension for reply within second month	
1253	850 Extension for reply within third month	
1254	1,480 Extension for reply within fourth month	
1255	2,010 Extension for reply within fifth month	
1401	330 Notice of Appeal	
1402	330 Filing a brief in support of an appeal	
1403	290 Request for oral hearing	
1451	1,510 Petition to institute a public use proceeding	
1452	110 Petition to revive - unavoidable	
1453	1,330 Petition to revive - unintentional	
1501	1,330 Utility issue fee (or reissue)	
1502	480 Design issue fee	
1503	840 Plant issue fee	
1460	130 Petitions to the Commissioner	
1807	50 Processing fee under 37 CFR 1.17(q)	
1806	160 Submission of Information Disclosure Stmt	
8021	40 Recording each patent assignment per property (times number of properties)	
1809	770 Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770 For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770 Request for Continued Examination (RCE)	
1802	900 Request for expedited examination of a design application	

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**FEES CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	Utility filing fee	
1002 340	Design filing fee	
1003 630	Plant filing fee	
1004 770	Reissue filing fee	
1005 160	Provisional filing fee	
<b>SUBTOTAL (1)</b>		<b>(\$0.00)</b>

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee Paid
11	- 20 * 0 X 18 = 0	0
Independent Claims	7 - 7 = 0 X 84 = 0	0
<b>Multiple Dependent(s)</b>		
1202 16	Claims in excess of 20	
1201 88	Independent claims in excess of 3	
1203 290	Multiple dependent claim, if not paid	
1204 86	** Reissue independent claims over original patent	
1205 18	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>		<b>(\$0.00)</b>

\*Reduced by Basic Filing Fee Paid      SUBTOTAL (3)

**(\$0.00)****SUBMITTED BY**

Name (Print/Type)	Hisashi D. Watanabe	Reg. No. (Atty/Agent)	37,465
Signature	<i>Hisashi D. Watanabe</i>	Date	March 30, 2004